## Author index

ABE, T. see TAKEUCHI, T.

ADDESSI, M.A. see AFELTRA, A.

AFELTRA, A., CACCAVO, D., FERRI, G.M., ADDESSI, M.A., DE ROSA, F.G., AMOROSO, A. & BONOMO, L. Expression of lactoferrin on human granulocytes: analysis with polyclonal and monoclonal antibodies, 279 AHRENS, P. see BUEHRING, I.

AIRO, P. see BRUGNONI, D. AIUTI, F. see CARLESIMO, M.

AJJAN, R. see PAPPA, A.

AKAKI, T. see TOMIOKA, H.

ALEXEYEV, O.A., LINDERHOLM, M., ELGH, F., WADELL, P., JUTO, P. & TÄRNVIK, A. Increased plasma levels of soluble CD23 in haemorrhagic fever with renal syndrome; relation to virus-specific IgE, 351

ALTMANN, D.M. see ELLIOTT, J.I. AMANO, K. see TAKEUCHI, T. AMOROSO, A. see AFELTRA. A. ANDERSEN, V. see Juul, L.

ANDERSON, C.C., MUKHERJEE, R., SINCLAIR, N.R.STC. & JEVNIKAR, A.M. Hypogammaglobulinaemia occurs in FAS-deficient MRL-lpr mice

following deletion of MHC class II molecules, 473 ANDERSON, C.J. see STAFFORD, H.A.

APOSTOLOPOULOS, J. see HUANG, X.R.

ARAD, G. see GEREZ, L. ARATO, A. see SAVILAHTI, E.

ARMENGOL, P. see SOSPEDRA, M.

ASAI, J. see KAWAGUCHI, Y

ASHHAB, Y. see SOSPEDRA, M.

AVRAMIDIS, N. see VICTORATOS, P.

BAERT, L. see VAN DEN HOVE, L.E.

BAKHIET, M. see DIAB A.

BALK, S.P., see BLUMBERG, R.R.

BARINGTON, T. see JUUL, L.

BARRAT, F., LESOURD, B., BOULOUIS, H.-J., THIBAULT, D., VINCENT-NAULLEAU, S., GJATA, B., LOUISES, A., NEWAY, T. & PILET, CH. Sex and parity modulate cytokine production during murine ageing, 562 BÄCK, O. see BENGTSSON, Å.

BEERSMA, M.F.C. see TIMMERMANN, J.J.

BEN-SMITH, A., GOODALL, J.C., GASTON, J.S.H. & WINER, J.B. Stimulation of peripheral blood lymphocytes with Campylobacter jejuni generates a γδ T cell response in patients with Guillain-Barré syndrome,

BENGTSSON, A., HOLM, L., BÄCK, O., FRANSSON, J. & SCHEYNIUS, A. Elevated serum levels of soluble cD30 in patients with atopic dermatitis (AD), 533

BERNARDI, M.L. see CARLESIMO, M.

BIANCO, N.E. see CORADO, J.

BISTONI, F. see MONARI, C.

BLUMBERG, R.R., COLGAN, S.P. & BALK S.P. CD1d: ouside-in antigen presentation in the intestinal epithelium? 223

BOCCA, A.L. see SILVA, M.F.

BONAY, M., ECHCHAKIR, H., LECOSSIER, D., LAINÉ, P., HERMAN, D., HANCE, A.J., SOLER, P. & TAZI, A. Characterization of proliferative responses and cytokine mRNA profiles induced by Vespula venom in patients with severe reactions to wasp stings, 342

BONOMO, L. see AFELTRA, A. BORGHETTI, A. see RONDA, N. BOULOUIS, H.-J. see BARRAT, F.

BOUMA, G., OUDKERK POOL, M., CRUSIUS, J.B.A., SCHREUDER, G.M.TH., HELLEMANS, H.P.R., MEIJER, B.U.G.A., KOSTENSE, P.J., GIPHART, M.J., MEUWISSEN, S.G.M. & PEÑA, A.S. Evidence for genetic heterogeneity in inflammatory bowel disease (IBD); HLA genes in the predisposition to suffer from ulcerative colitis (UC) and Crohn's disease (CD), 175

BRCIC, M. see JUNGI, T.W.

BRUGNONI, D., AIRO, P., TIMPANO, S., MALACARNE, F., UGAZIO, A.G., CATTANEO, R. & DUSE, M. CD8+ CD28- T cells in vertically HIVinfected children, 412

BRUIN, J.A. see DOTH, M.

BUEHRING, I., FRIEDRICH, B., SCHAAF, J., SCHMIDT, H., AHRENS, P. & ZIELEN, S. Chronic sinusitis refractory to standard management in patients with humoral immunodeficiencies, 468

BUONCOMPAGNI, A. see GATTORNO, M.

CACCAVO, D. see AFELTRA, A.

CAI, Y., KITAJIMA, S., ETOH, F., KINOSHITA, S., OKUBO, K. & HAMA-SAKI, N. Autoantibody reactive with the human general transcription factor TFIIF in sera from patients with autoimmune disorders, 488

CALDER, V. see PAPPA, A.

CARLESIMO, M., PONTESILLI, O., VARANI, A.R., BERNARDI, M.L., MAZ-ZONE, A.M., ROSSO, R., GUERRA, E.C., CASSONE, A., PAGANELLI, R. & AIUTI, F. CD28 costimulation and T lymphocyte proliferative respones in HIV-1 infection, 406

CARTRY, O., MOJA, P., QUESNEL, A., POZZETTO, B., LUCHT, F.R. & GENIN, C. Quantification of IgA and IgG and specificities of antibodies to viral proteins in parotid saliva at different stages of HIV-1 infection.

CASPI, R.R. see THURAU, S.R.

CASSONE, A. see CARLESIMO, M.

CATTANEO, R. see BRUGNONI, D.

CEUPPENS, J.L. see VAN DEN HOVE, L.E.

CHAN, C.-C. see THURAU, S.R.

CHAPEL, H.M. see MISBAH, S.A.

CHEN, A.E. see STAFFORD, H.A.

CHOW, N.H. see TSAI, C.Y

CLARK, M.A., HAWKINS, N.J., PAPAIOANNOU, A., FIDDES, R.J. & WARD, R.L. Isolation of human anti-c-erbB-2 Fabs from a lymph node-derived phage display library, 166

COLGAN, S.P., see BLUMBERG, R.R.

COLLINS, F. see FALCONE, V.

COOREVITS, L. see VAN DEN HOVE, L.E.

CORADO, J., TORO, F., RIVERA, H., BIANCO, N.E., DEIBIS, L. & DE SANCTIS, J.B. Impairment of natural killer (NK) cytotoxic activity in hepatitis C virus (HCV) infection, 451

CRUSIUS, J.B.A. see BOUMA, G.

D'SOUZA, M. see HUANG, X.R.

DAHA, M.R. see SATO, T.

DAHA, M.R. see TIMMERMANN, J.J. DAHA, M.R. see VAN DIXHOORN, M.G.A.

DAHLGREN, C. see LIU, L.

DAMIEN, B. see HUISS, S.

DAMMACCO, F. see PEROSA, F.

DAYER, J.-M. see KREUZER, K.-A.

DE BRUYN, J. see ZLOTTA, A.R.

DE LANDÁZURI, M.O. see MARAZUELA, M.

DE ROSA, F.G. see AFELTRA, A. DE SANCTIS, J.B. see CORADO, J.

DE SOUZA, J.B. see PEET, N.M.

DEANE, K.H.O., JECOCK, R.M., PEARCE, J.H. & GASTON, J.S.H. Identification and characterization of a DR4-restricted T cell epitope within chlamydia heat shock protein 60, 439

DECOCK, M. see ZLOTTA, A.R.

DEIBIS, L. see CORADO, J. DELVES, P.J. see PEET, N.M.

DENIS, O. see ZLOTTA, A.R.

DEWCHAND, H. see ELLIOTT, J.I.

DHINDSA, M.S. see MEHROTRA, J. DIAB, A., ZHU, J., LINDQUIST, L., WRETLIND, B., BAKHIET, M., & LINK, H. Haemophilus influenzae and Streptococcus pneumoniae induce

- different intracerebral mRNA cytokine patterns during the course of experimental bacterial meningitis, 233
- DISCIPIO, R.G. see VAN DIXHOORN, M.G.A.
- DOBBELAERE, D.A.E. see JUNGI, T.W.
- DONZE, H.H., LUE, C., JULIAN, B.A., KUTTEH, W.H., KANTELE, A. & MESTECKY, J. Human peritoneal B-1 cells and the influence of continuous ambulatory peritoneal dialysis on peritoneal and peripheral blood mononuclear cell (PBMC) composition and immunoglobulin levels, 356
- DOTH, M., FRICKE, M., NICOLETTI, F., GAROTTA, G., VAN VELTHUYSEN, M.-L., BRUUN, J.A. & GLEICHMANN, E. Genetic differences in immune reactivity to mercuric chloride (HgCl<sub>2</sub>): immunosuppression of H-2<sup>d</sup> mice is mediated by interferon-gamma (IFN-γ), 149
- DRAYTON, D. see Wu, Z.-Q. DROWART, A. see ZLOTTA, A.R. DUSE, M. see BRUGNONI, D.
- ECHCHAKIR, II. see BONAY, M.
- ELGH, F. see ALEXEYEV, O.A.
- ELGHAZALI, G., PERLMANN, H., RUTTA, A.S.M., PERLMANN, P. & TROYE-BLOMBERG, M. Elevated plasma levels of IgE in Plasmodium falciparum-primed individuals reflect an increased ratio of IL-4 to interferon-gamma (IFN-y)-producing cells, 84
- ELLIOTT, J.I., DEWCHAND, H. & ALTMANN, D.M. Streptozotocininduced diabetes in mice lacking of  $\alpha\beta$  cells, 116
- ELWING, H. see LIU, L.
- ENGEL, A.-M., SVANE, I.M., MADSEN, M.W., PEDERSEN, M. & WERDE-LIN, O. Molecular aberrations in the MHC class I-restricted pathway for antigen presentation in methylcholanthrene sarcomas from nude mice: discrepancies between MHC mRNA and surface protein, 323
- ENOMOTO, A. see KAKUMU, S. ETOH, F. see CAI, Y.
- FACCHETTI, P. see GATTORNO, M.
- FALCONE. V. & COLLINS, F. Growth of recombinant Mycobacterium tuberculosis H37Ra in mouse macrophages, 80
- FEIGHERY, C. see GUERIN, J.
- FELLS, P. see PAPPA, A.
- FERRACINI, R., JR see SILVA, M.F.
- FERRI, G.M. see AFELTRA, A.
- FIDDES, R.J. see CLARK, M.A.
- FIGUEIREDO, F. see SILVA, M.F.
- FOZ-SALA, M. see SOSPEDRA, M.
- FRANSSON, J. see BENGTSSON, A.
- FRANSSON, J. see VAN DER PLOEG, I.
- FREELAND, A. see MISBAH, S.A.
- FRICKE, M. see DOTH, M.
- FRIEDRICH, B. see BUEHRING, L. FUJINO, M. see KAWAGUCHI, Y.
- FUKUDA, Y. see IMADA, K. FUKUSHIMA, K. see ISHIGURO, A.
- FURGER, A. see JUNGI, T.W.
- GALVIN, A.M. see MAHIDA, Y.R.
- GAROTTA, G. see DOTH, M.
- GASTON, J.S.H. see BEN-SMITH, A. GASTON, J.S.H. see DEANE, K.H.O.
- GATTI, R. see RONDA, N.
- GATTORNO, M., FACCHETTI, P., GHIOTTO, F., VIGNOLA, S., BUONCOM-PAGNI, A., PRIGIONE, I., PICCO, P. & PISTOIA, V. Synovial fluid T cell clones from oligoarticular juvenile arthritis patients display a prevalent Th1/Th0-type pattern of cytokine secretion irrespective of immunophenotype, 4
- GAWKRODGER, D.J. see KEMP, E.H.
- GENIN, C. see CARTRY, O.
- GEREZ, L., SHKOLNIK, T., HIRSCHMANN, O., LORBER, M., ARAD, G. & KAEMPFER, R. Hyperinducible expression of the interferon-gamma (IFN-γ) gene and its suppression in systemic lupus erythematosus (SLE), 296
- GHIOTTO, F. see GATTORNO, M.
- GIPHART, M.J. see BOUMA, G.
- GJATA, B. see BARRAT, F.
- GLEICHMANN, E. see DOTH, M.
- GOODALL, J.C. see BEN-SMITH, A.
- GOODRICH, J.M. see Li, C.

- GRAY, T. see MAHIDA, Y.R.
- GRIFFITHS, H. see MISBAH, S.A.
- GUERIN, J., FEIGHERY, C., SIM, R.B. & JACKSON, J. Antibodies to 82glycoprotein I—a specific marker for the antiphospholipid syndrome,
- GUERRA, E.C. see CARLESIMO, M.
- HACSEK, G. see SAVILAHTI, E.
- HADJIPETROU, L. see VICTORATOS, P.
- HAENEY, M.R. see MISBAH, S.A.
- HAMASAKI, N. see CAL Y
- HANCE, A.J. see BONAY, M.
- HANEJI, N. see TAKAHASHI, M. HARLEY, J.B. see SCOFIELD, R.H.
- HASEGAWA, A. see KOMARI, S.
- HASHIMOTO, H. see KANEKO, H.
- HASHIMOTO, Y. see KASAI, K
- HAWKINS, N.J. see CLARK, M.A.
- HAYAKAWA, T. see IMADA, K.
- HAYASHI, Y. see TAKAHASHI, M.
- HEEMSKERK, E. see SATO, T.
- HELLEMANS, H.P.R. see BOUMA, G.
- HERMAN D. SEE BONAY M.
- HIRSCHMANN, O. see GEREZ, L.
- HISHIKAWA, T. see KANEKO, H.
- Ho. T.S. see TSAL C.Y.
- HOLDSWORTH, S.R. see HUANG, X.R.
- HOLM, K. see SAVILAHTI, E.
- HOLM, L. see BENGTSSON, Å
- HOMBURGER, H.A. see SPECKS, U.
- Hougs, L. see Juul, L.
- HUANG, X.R., TIPPING, P.G., APOSTOLOPOULOS, J., OETTINGER, C., D'SOUZA, M., MILTON, G. & HOLDSWORTH, S.R. Mechanisms of T cell-induced glomerular injury in anti-glomerular basement membrane (GBM) glomerulonephritis in rats, 134
- HUISS, S., DAMIEN, B., SCHNEIDER, F. & MULLER, C.P. Characteristics of asymptomatic secondary immune responses to measles virus in late convalescent donors, 416
- HUYGEN, K. see ZLOTTA, A.R.
- ICHIMIYA, S. see KASAI, K.
- IDA, K. see SHIRAI, R.
- IMADA, K., FUKUDA, Y., KOYAMA, Y., NAKANO, I., YAMADA, M., KATANO, Y. & HAYAKAWA, T. Naive and memory T cell infiltrates in chronic hepatitis C: phenotypic changes with interferon treatment, 59
- IMRIE, H.J. & JONES, D.R.E. Complement coating of erythrocytes is reduced following their interaction with neutrophils in vitro without loss of complement receptor 1 (CR1), 217
- INABA, Y. see ISHIGURO, A.
- ISHIGURO, A., SUZUKI, Y., INABA, Y., FUKUSHIMA, K., KOMIYAMA, A., KOEFFLER, H.P. & SHIMBO, T. The production of IL-8 in cerebrospinal fluid in aseptic meningitis of children, 426
- ISHIKAWA, T. see KAKUMU, S.
- ISHIMARU, N. see TAKAHASHI, M.
- ISOJIMA, S. see KOMARI, S.
- ITO, M. see KAWAGUCHI, Y.
- JACKSON, J. see GUERIN, J.
- JARAQUEMADA, D. see SOSPEDRA, M.
- JECOCK, R.M. see DEANE, K.H.O.
- JEDDI TEHRANI, M. see VAN DER PLOEG, I.
- JENNE, L., KILWINSKI, J., SCHEFFOLD, W. & KERN, P. IL-5 expressed by CD4<sup>+</sup> lymphocytes from Echinococcus multilocularis-infected patients, 90
- JEVNIKAR, A.M. see ANDERSON, C.C.
- JONES, D.R.E. see IMRIE, H.J.
- JONGEN, P. see RUTJES, S.A
- JULIAN, B.A. see DONZE, H.H.
- JUNGI, T.W., BRCIC, M., SAGER, H., DOBBELAERE, D.A.E., FURGER, A. & RODITI, I. Antagonistic effects of IL-4 and interferon-gamma (IFN-y) on inducible nitric oxide synthase expression in bovine macrophages exposed to Gram-positive bacteria, 431
- JURION, F. see ZLOTTA, A.R.
- JUTO, P. see ALEXEYEV, O.A.

- JUUL, L., HOUGS, L., ANDERSEN, V., SVEJGAARD, A. & BARINGTON, T. The normally expressed κ immunoglobulin light chain gene repertoire and somatic mutations studied by single-sided specific polymerase chain reaction (PCR); frequent occurrence of features often assigned to autoimmunity, 194
- KADOTA, J. see SHIRAL R.
- KAEMPFER, R. see GEREZ, L. KAJITANI, H. see TOMIOKA, H.
- KAKUMU, S., OKUMURA, A., ISHIKAWA, T., YANO, M., ENOMOTO, A., NISHIMURA, H., YOSHIOKA, K. & YOSHIKAI, Y. Serum levels of IL-10. IL-15 and soluble tumour necrosis factor-alpha (TNF-α) receptors in type C chronic liver disease, 458
- KAMEDA, K. see KOMARI, S.
- KANEKO, H., HISHIKAWA, T., SEKIGAWA, I., HASHIMOTO, H., OKUMURA, K. & KANEKO, Y. Role of tumour necrosis factor-alpha (TNF-α) in the induction of HIV-1 gp120-mediated CD4+ T cell anergy, 41
- KANEKO, S. see YAMASHITA, N.
- KANEKO, S., SUZUKI, N., KOIZUMI, H., YAMAMOTO, S. & SAKANE, T. Rescue by cytokines of apoptotic cell death induced by IL-2 deprivation of human antigen-specific T cell clones, 185
- KANEKO, Y. see KANEKO, H.
- KANTELE, A. see DONZE, H.H.
- KARLSSON, A. see LIU, L.
- KASAI, K., MATSUURA, A., KIKUCHI, K., HASHIMOTO, Y. & ICHIMIYA, S. Localization of rat CD1 transcripts and protein in rat tissues-an analysis of rat CD1 expression by in situ hybridization and immunohistochemistry, 317
- KATANO, Y. see IMADA, K. KAWAGUCHI, Y., OKADA, T., KONISHI, H., FUJINO, M., ASAI, J. & ITO, M. Reduction of the DTH response is related to morphological changes of Langerhans cells in mice exposed to acute immobilization stress, 397
- KAWAKAMI, K. see SHIRAL R. KEMP, E.H., GAWKRODGER, D.J., WATSON, P.F. & WEETMAN, A.P. Immunoprecipitation of melanogenic enzyme autoantigens with vitiligo sera: evidence for cross-reactive autoantibodies to tyrosinase and tyrosinase-related protien-2 (TRP-2), 495
- KERN, P. see JENNE, L.
- KIKUCHI, K. see KASAI, K.
- KILWINSKI, J. see JENNE, L.
- KINOSHITA, S. see CAI, Y.
- KITAJIMA, S. see CAI, Y.
- KLEMOLA, T. see SAVILAHTI, E.
- KLONISCH, T. see PEET, N.M.
- KOEFFLER, H.P. see ISHIGURO, A.
- KOHNO, S. see SHIRAI, R.
- KOIDE, J. see TAKEUCHI, T.
- KOIZUMI, H. see KANEKO, S.
- KOKLA, A. see LOUTRARI, H.
- KOMARI, S., KAMEDA, K., SAKATA, K., HASEGAWA, A., TOJI, H., TSUJI, Y., SHIBAHARA, H., KOYAMA, K. & ISOJIMA, S. Characterization of fertilization-blocking monoclonal antibody 1G12 with human spermimmobilizing activity, 547
- KOMIYAMA, A. see ISHIGURO, A.
- KONISHI, H. see KAWAGUCHI, Y.
- KOSTENSE, P.J. see BOUMA, G.
- KOYAMA, K. see KOMARI, S.
- KOYAMA, Y. see IMADA, K.
- KREMMER, E., MYSLIWIETZ, J. & THIERFELDER, S. Induction and suppression of anti-antibodies to syngeneic T cell-binding antibodies in mice,
- KREUZER, K.-A., DAYER, J.-M., ROCKSTROH, J.K., SAUERBRUCH, T. & SPENGLER, U. The IL-1 system in HIV infection: peripheral concentrations of IL-1\beta, IL-1 receptor antagonist and soluble IL-1 receptor type II,
- KURIEN, B.T. see SCOFIELD, R.H.
- KUTTEH, W.H. see DONZE, H.H.
- LAINÉ, P. see BONAY, M.
- LARRAÑAGA, E. see MARAZUELA, M.
- LECOSSIER, D. see BONAY, M.
- LEE, L.A. see STAFFORD, H.A.
- LEI, H.Y. see TSAI, C.Y.
- LESOURD, B. see BARRAT, F.

- Li, C., GOODRICH, J.M. & YANG, X. Interferon-gamma (IFN-v) regulates production of IL-10 and IL-12 in human herpesvirus-6 (HHV-6)-infected monocyte/macrophage lineage, 421
- LIGHTMAN, S. see PAPPA, A.
- LINDERHOLM, M. see ALEXEYEV. O.A.
- LINDQUIST, L. see DIAB A.
- LINK H SEE DIAB A
- LIU, L., ELWING, H., KARLSSON, A., NIMERI, G. & DAHLGREN, C. Surface-related triggering of the neutrophil respiratory burst. Characterization of the response induced by IgG adsorbed to hydrophilic and hydrophobic glass surfaces, 204
- LORBER, M. see GEREZ, L.
- LOUISES, A. see BARRAT, F
- LOUTRARI, H., KOKLA, A., TRAKAS, N. & TZARTOS, S.J. Expression of human-Torpedo hybrid acetylcholine receptor (AChR) for analysing the subunit specificity of antibodies in sera from patients with myasthenia gravis (MG), 538
- LUCAS-MARTIN, A. see SOSPEDRA, M.
- LUCCARELLI, G. see PEROSA, F.
- LUCHT, F.R. see CARTRY, O.
- LUDGATE, M. see PAPPA, A. LUE, C. see DONZE, H.H.
- LUND, T. see PEET, N.M.
- MADSEN, M.W. see ENGEL, A.-M.
- MAHIDA, Y.R., GALVIN, A.M., GRAY, T., MAKHA, S., McALINDON, M.E., SEWELL, H.F. & PODOLSKY, D.K. Migration of human intestinal lamina propria lymphocytes, macrophages and eosinophils following the loss of surface epithelial cells, 377
- MAKHA, S. see MAHIDA, Y.R.
- MALACARNE, F. see BRUGNONI, D.
- MARAZUELA, M., DE LANDÁZURI, M.O., LARRAÑAGA, E. & SÁNCHEZ-MADRID, F. Up-regulated  $\beta_1$ -integrin expression in autoimmune thyroid disorders, 107
- MATSUURA, A. see KASAI, K.
- MATUSEVICIENE, G. see VAN DER PLOEG, I.
- MAZZONE, A.M. see CARLESIMO, M.
- MÄKI, M. see SAVILAHTI, E.
- McAlindon, M.E. see Mahida, Y.R.
- MCKEATING, J.A. see PEET, N.M.
- MEHROTRA, J., MITTAL, A., DHINDSA, M.S. & SINHA, S. Fractionation of mycobacterial integral membrane proteins by continuous elution SDS-PAGE reveals the immunodominance of low molecular weight subunits for human T cells, 446
- MEIJER, B.U.G.A. see BOUMA, G.
- MESTECKY, J. see DONZE, H.H.
- MEUWISSEN, S.G.M. see BOUMA, G.
- MILTON, G. see HUANG, X.R.
- MISBAH, S.A., GRIFFITHS, H., MITCHELL, T., FREELAND, A., HAENEY, M.R. & CHAPEL, H.M. Antipolysaccharide antibodies in 450 children with otitis media, 67
- MITCHELL, T. see MISBAH, S.A.
- MITTAL, A. see MEHROTRA, J.
- MIZUSHIMA, Y. see YAMASHITA, N.
- MOJA, P. see CARTRY, O.
- Monari, C., Retini, C., Palazzetti, B., Bistoni, F. & Vecchiarelli, A. Regulatory role of exogenous IL-10 in the development of immune response versus Cryptococcus neoformans, 242
- MUIZERT, Y. see VAN DIXHOORN, M.G.A.
- MUKHERJEE, R. see ANDERSON, C.C.
- MULLER, C.P. see Huiss, S.
- MUSCART, F. see ZLOTTA, A.R.
- Mysliwietz, J. see Kremmer, E.
- NAKANO, I. see IMADA, K.
- NATORI, YA. see NATORI, YU.
- NATORI, YU., SEKIGUCHI, M., OU, Z. & NATORI, YA. Gene expression of CC chemokines in experimental crescentic glomerulonephritis (CGN),
- NEAS, B.R. see STAFFORD, H.A.
- NEMETH, A. see SAVILAHTI, E.
- NEWAY, T. see BARRAT, F
- NICOLETTI, F. see DOTH, M.
- NIMERI, G. see LIU, L.

- NISHIMURA, H. see KAKUMU, S. NUSSENBLATT, R.B. see THURAU, S.R.
- OFTTINGER, C. see HUANG, X.R.
- OGAWA, K. see SHIRAI, R.
- OKADA, T. see KAWAGUCHI, Y.
- OKUBO, K. see CAI, Y.
- OKUMURA, A. see KAKUMU, S.
- OKUMURA, K. see KANEKO, H.
- ORLANDINI, G. see RONDA, N. Ou, Z. see NATORI, YU.
- OUDKERK POOL, M. see BOUMA, G.
- ÖRMÄLÄ, T. see SAVILAHTI, E.
- PAGANELLI, R. see CARLESIMO, M.
- PALAZZETTI, B. see MONARI, C.
- PALFLIET, K. see ZLOTTA, A.R.
- PANG. M. see TAKEUCHI, T.
- PAPAIOANNOU, A. see CLARK, M.A.
- PAPPA, A., CALDER, V., AJJAN, R., FELLS, P., LUDGATE, M., WEETMAN, A.P. & LIGHTMAN, S. Analysis of extraocular muscle-infiltrating T cells in thyroid-associated ophthalmopathy (TAO), 362
- PAUL, A.G.A. see STAFFORD, H.A.
- PEARCE, J.H. see DEANE, K.H.O.
- PEDERSEN, M. see ENGEL, A.-M.
- PEET, N.M., McKeating, J.A., Ramos, B., Klonisch, T., De Souza. J.B., DELVES, P.J. & LUND, T. Comparison of nucleic acid and protein immunization for induction of antibodies specific for HIV-1 gp 120, 226
- PEÑA, A.S. see BOUMA, G.
- PERLMANN, H. see ELGAHAZALI, G.
- PERLMANN, P. see ELGAHAZALI, G.
- Perosa, F., Luccarelli, G. & Dammacco, F. Absence of streptococcal protein G (PG)-specific determinant in the Fab region of human IgG2,
- PICCO, P. see GATTORNO, M.
- PILET, CH. see BARRAT, F.
- PIRSON, M. see ZLOTTA, A.R.
- PISETSKY, D.S. see Wu, Z.-Q
- PISTOIA, V. see GATTORNO, M.
- PODOLSKY, D.K. see MAHIDA, Y.R.
- PONTESILLI, O. see CARLESIMO, M.
- POZZETTO, B. see CARTRY, O.
- PRIGIONE, I. see GATTORNO, M. PRUUN, G.J.M. see RUTJES, S.A.
- PUJOL-BORRELL, R. see SOSPEDRA, M.
- OUESNEL, A. see CARTRY, O.
- RAMOS, B. see PEET, N.M.
- RETINI, C. see MONARI, C.
- REUNALA, T. see SAVILAHTI, E.
- RIVERA, H. see CORADO, J.
- ROCKSTROH, J.K. see KREUZER, K.-A. RODITI, I. see JUNGI, T.W.
- RONDA, N., GATTI, R., ORLANDINI, G. & BORGHETTI, A. Binding and
- internalization of human IgG by living cultured endothelial cells, 211
- ROSSO, R. see CARLESIMO, M. RUTJES, S.A., VREE EGBERTS, W.T.M., JONGEN, P., VAN DEN HOOGEN, F., PRUIJN, G.J.M. & VAN VENROOD, W.J. Anti-Ro52 antibodies
- frequently co-occur with anti-Jo-1 antibodies in sera from patients with idiopathic inflammatory myopathy, 32 RUTTA, A.S.M. see ELGAHAZALI, G.
- SAGER, H. see JUNGI, T.W.
- SAITO, H. see TOMIOKA, H.
- SAITO, I. see TAKAHASHI, M.
- SAKANE, T. see KANEKO, S.
- SAKANE, T. see YAMASHITA, N.
- SAKATA, K. see KOMARI, S.
- SANO, C. see TOMIOKA, H.
- SATO, K. see TOMIOKA, H.
- SATO, T., VAN DIXHOORN, M.G.A., HEEMSKERK, E., VAN ES, L.A. & DAHA, M.R. Clq, a subunit of the first component of complement,

- enhances antibody-mediated apoptosis of cultured rat glomerular mesangial cells, 510
- SAUERBRUCH, T. see KREUZER, K.-A.
- SAVILAHTI, E., ÖRMÄLÄ, T., ARATO, A., HACSEK, G., HOLM, K., KLEMOLA, T., NEMETH, A., MÄKI, M. & REUNALA, T. Density of  $\gamma/\delta^+$  cells in the jejunal epithelium of patients with coeliac disease and dermatitis herpetiformis is increased with age, 464
- SÁNCHEZ-MADRID, F. see MARAZUELA, M.
- SCHAAF, J. see BUEHRING, I.
- SCHEFFOLD, W. see JENNE, L.
- SCHEYNIUS, A. see BENGTSSON, A.
- SCHEYNIUS, A. see VAN DER PLOFG. I.
- SCHMIDT, H. see BUEHRING, I.
- SCHNEIDER, F. see HUISS, S.
- SCHREUDER, G.M.TH. see BOUMA, G.
- SCHULMAN, C.C. see ZLOTTA, A.R.
- SCOFIELD, R.H., ZHANG, F.-C., KURIEN, B.T. & HARLEY, J.B. Anti-Ro fine specificity defined by multiple antigenic peptides identifies components of tertiary epitopes, 480
- SEKIGAWA, I. see KANEKO, H.
- SEKIGUCHI, M. see NATORI, YU.
- SEWELL, H.F. see MAHIDA, Y.R.
- SHEKARSARAI, H. see ZLOTTA, A.R.
- SHIBAHARA, H. see KOMARI, S.
- SHIMBO, T. see ISHIGURO, A
- SHIMIZU, T. see TOMIOKA, H.
- SHIRAI, R., KADOTA, J., TOMONO, T., OGAWA, K., IDA, K., KAWAKAMI, K. & KOHNO, S. Protective effect of granulocyte colony-stimulating factor (G-CSF) in a granulocytopenic mouse model of Pseudomonas aeruginosa lung infection through enhanced phagocytosis and killing by alveolar macrophages through priming tumour necrosis factoralpha (TNF-α) production, 73
- SHKOLNIK, T. see GEREZ, L.
- SILVA, C.L. see SILVA, M.F.
- SILVA, M.F., BOCCA, A.L., FERRACINI, R., JR, FIGUEIREDO, F. & SILVA, C.L. Cellular requirements for immunomodulatory effects caused by cell wall components of Paracoccidioides brasiliensis on antibody production, 261
- SIM. R.B. see GUERIN, J.
- SIMON, J. see ZLOTTA, A.R.
- SINCLAIR, N.R.STC. see ANDERSON, C.C.
- SINHA, S. see MEHROTRA, J. SMULIAN, A.G. see THEUS, S.A.
- SOLER, P. see BONAY, M.
- SOSPEDRA, M., TOLOSA, E., ARMENGOL, P., ASHHAB, Y., URLINGER, S., LUCAS-MARTIN, A., FOZ-SALA, M., JARAQUEMADA, D. & PUJOL-BORRELL, R. Hyperexpression of transporter in antigen processing-1 (TAP-1) in thyroid glands affected by autoimmunity: a contributory factor to the breach of tolerance to thyroid antigens? 98
- SPECKS, U., WIEGERT, E.M., & HOMBURGER, H.A. Human mast cells expressing recombinant proteinase 3 (PR3) as substrate for clinical testing for anti-neutrophil cytoplasmic antibodies (ANCA), 286
- SPENGLER, U. see KREUZER, K.-A.
- STAFFORD, H.A., CHEN, A.E., ANDERSON, C.J., PAUL, A.G.A., WYATT, E.L., LEE, L.A. & NEAS, B.R. Anti-ribosomal and 'P-peptide'-specific autoantibodies bind to T lymphocytes, 12
- SULLIVAN, D.W. see THEUS, S.A.
- SUZUKI, N. see KANEKO, S.
- SUZUKI, Y. see ISHIGURO, A.
- SVANE, I.M. see ENGEL, A.-M.
- SVEJGAARD, A. see JUUL, L.
- TAKAHASHI, M., ISHIMARU, N., YANAGI, K., HANEJI, N., SAITO, I. & HAYASHI, Y. High incidence of autoimmune dacryoadenitis in male nonobese diabetic (NOD) mice depending on sex steroid, 555
- TAKENO, M. see YAMASHITA, N.
- TAKEUCHI, T., PANG, M., AMANO, K., KOIDE, J. & ABE, T. Reduced protein tyrosine phosphatase (PTPase) activity of CD45 on peripheral blood lymphocytes in patients with systemic lupus erythematosus (SLE), 20
- TAZI, A. see BONAY, M. TÄRNVIK, A. see ALEXEYEV, O.A.
- THEUS, S.A., SMULIAN, A.G., SULLIVAN, D.W., & WALZER, P.D. Cytokine responses to the native and recombinant forms of the major surface glycoprotein of Pneumocystis carinii, 255

- THIBAULT, D. see BARRAT, F.
- THIERFELDER, S. see KREMMER, E.
- THURAU, S.R., CHAN, C.-C., NUSSENBLATT, R.B. & CASPI, R.R. Oral tolerance in a murine model of relapsing experimental autoimmune uveoretinitis (EAU): induction of protective tolerance in primed animals. 370
- TIMMERMAN, J.J. see VAN DIXHOORN, M.G.A.
- TIMMERMAN, J.J., BEERSMA, M.F.C., VAN GIJLSWIJK-JANSSEN, D.J., VAN Es. L.A., VAN DER WOUDE, F.J. & DAHA, M.R. Differential effects of cytomegalovirus infection on complement synthesis by human mesangial cells, 518
- TIMPANO, S. see BRUGNONI, D.
- TIPPING, P.G. see HUANG, X.R.
- TOJI, H. see KOMARI, S. TOLOSA, E. see SOSPEDRA, M.
- TOMIOKA, H., SATO, K., SANO, C., AKAKI, T., SHIMIZU, T., KAJITANI, H. & SAITO, H. Effector molecules of the host defence mechanism against Mycobacterium avium complex: the evidence showing that reactive oxygen intermediates, reactive nitrogen intermediates, and free fatty acids each alone are not decisive in expression of macrophage antimicrobial activity against the parasites, 248
- TOMONO, T. see SHIRAL R.
- TORO, F. see CORADO, J.
- TRAKAS, N. see LOUTRARI, H.
- TROYE-BLOMBERG, M. see ELGAHAZALI, G.
- TSAI, C.Y., CHOW, N.H., Ho, T.S. & LEI, H.Y. Intracerebral injection of myelin basic protein (MBP) induces inflammation in brain and causes paraplegia in MBP-sensitized B6 mice, 127
- TSUJI, Y. see KOMARI, S.
- TZARTOS, S.J. see LOUTRARI, H.
- UGAZIO, A.G. see BRUGNONI, D. URLINGER, S. see SOSPEDRA, M.
- VAN DAMMES, B. see VAN DEN HOVE, L.E.
- VAN DEN HOOGEN, F. see RUTJES, S.A.
- VAN DEN HOVE, L.E., VAN GOOL, S.W., VAN POPPEL, H., BAERT, L., COOREVITS, L., VAN DAMMES, B. & CEUPPENS, J.L. Phenotype, cytokine production and cytolytic capacity of fresh (uncultured) tumour-infiltrating T lymphocytes in human renal cell carcinoma, 501
- VAN DER PLOEG, I., JEDDI TEHRANI, M., MATUSEVICIENE, G., WAHLG-REN, C.F., FRANSSON, J. & SCHEYNIUS, A. IL-13 over-expression in skin is not confined to IgE-mediated skin inflammation, 526
- VAN DER WOUDE, F.J. see TIMMERMANN, J.J.
- VAN DIXHOORN, M.G.A. see SATO, T.
- VAN DIXHOORN, M.G.A., TIMMERMAN, J.J., VAN GIJLSWIJK-JANSSEN, D.J., MUIZERT, Y., VERWEIJ, C., DISCIPIO, R.G. & DAHA, M.R. Characterization of complement C6 deficiency in a PVG/c rat strain, 387 VAN ES, L.A. see SATO, T.
- VAN ES, L.A. see TIMMERMANN, J.J.
- VAN GIJLSWIJK-JANSSEN, D.J. see TIMMERMANN, J.J.
- VAN GIJLSWIJK-JANSSEN, D.J. see VAN DIXHOORN, M.G.A.
- VAN GOOL, S.W. see VAN DEN HOVE, L.E.
- VAN POPPEL, H. see VAN DEN HOVE, L.E.
- VAN VELTHUYSEN, M.-L. see DOTH, M.
- VAN VENROOIJ, W.J. see RUTJES, S.A.

- VAN VOOREN, J.P. see ZLOTTA, A.R.
- VARANI, A.R. see CARLESIMO, M.
- VECCHIARELLI, A. see MONARI, C.
- VENABLES, P.F.W. Antibodies to Jo-1 and Ro-52; why do they go together?
- VERWEIJ, C. see VAN DIXHOORN, M.G.A.
- VICTORATOS, P., YIANGOU, M., AVRAMIDIS, N. & HADJIPETROU, L. Regulation of cytokine gene expression by adjuvants in vivo, 569
- VIGNOLA, S. see GATTORNO, M.
- VINCENT-NAULLEAU, S. see BARRAT, F.
- VREE EGBERTS, W.T.M. see RUTJES, S.A.
- WADELL, P. see ALEXEYEV, O.A.
- WAHLGREN, C.F. see VAN DER PLOEG, I.
- WALCHNER, M. & WICK, M. Elevation of CD8+ CD11b+ Leu-8- T cells is associated with the humoral immunodeficiency in myeloma patients,
- WALZER, P.D. see THEUS, S.A.
- WARD, R.L. see CLARK, M.A.
- WATSON, P.F. see KEMP, E.H.
- WEETMAN, A.P. see KEMP, E.H.
- WEETMAN, A.P. see PAPPA, A.
- WERDELIN, O. see ENGEL, A.-M.
- WICK, M. see WALCHNER, M.
- WIEGERT, E.M. see SPECKS, U.
- WINER, J.B. see BEN-SMITH, A.
- WINFIELD, J.B. Are anti-ribosomal P protein antibodies a type of antilymphocyte antibody?, 1
- WRETLIND, B. see DIAB A.
- Wu, Z.-O., DRAYTON, D. & PISETSKY, D.S. Specificity and immunochemical properties of antibodies to bacterial DNA in sera of normal human subjects and patients with systemic lupus erythematosus (SLE),
- WYATT, E.L. see STAFFORD, H.A.
- YAMADA, M. see IMADA, K.
- YAMAMOTO, S. see KANEKO, S.
- YAMASHITA, N., TAKENO, M., KANEKO, S., MIZUSHIMA, Y. & SAKANE, T. Therapeutic effects of preferential induction of mite-specific T helper 0 clones, 332
- YANAGI, K. see TAKAHASHI, M.
- YANG, X. see LI, C.
- YANO, M. see KAKUMU, S.
- YIANGOU, M. see VICTORATOS, P.
- YOSHIKAI, Y. see KAKUMU, S.
- YOSHIOKA, K. see KAKUMU, S.
- ZHANG, F.-C. see SCOFIELD, R.H.
- ZHU, J. see DIAB A.
- ZIELEN, S. see BUEHRING, I.
- ZLOTTA, A.R., DROWART, A., HUYGEN, K., DE BRUYN, J., SHEKAR-SARAI, H., DECOCK, M., PIRSON, M., JURION, F., PALFLIET, K., DENIS, O., MUSCART, F., SIMON, J., SCHULMAN, C.C. & VAN VOOREN, J.P. Humoral response against heat shock proteins and other mycobacterial antigens after intravesical treatment with bacille Calmette-Guérin (BCG) in patients with superficial bladder cancer, 157

## Subject Index

acetylcholine receptor, 538 adjuvant, 569 age, 464 ageing, 562 AIDS, 226, 255 allergy, 342 ANCA, 286 anti-antibodies, 180 anti-DNA antibodies, 27 anti-GBM antibody, 143 anti-lymphocyte antibodies, 12 anti-malaria IgE, 84 anti-tumour antibodies, 166 antibodies, 473 antibody, 157 antigen presentation, 98, 323 antigenicity, 27 antigens, 36 antiphospholipid syndrome, 304 apoptosis, 185, 412, 510 association heterogeneity, 175 asthma, 332 atopic dermatitis, 533 autoantibodies, 12, 32, 211 autoantibody, 480, 488 autoantibody genetics, 194 autoantigen, 480, 495 autoantigens, 370 autoimmune thyroid disorders, 107 autoimmunity, 473, 495

β<sub>2</sub>-glycoprotein I, 304 B lymphocyte subset immunology, 194 B-1 cells, 356 bacterial DNA, 27 basement membrane, 377 BCG vaccine, 157 bladder neoplasms, 157 brain, 233

c-erbB-2, 166 Clq, 510 Campylobacter jejuni, 121 cardiolipin, 304 cattle, 431 CD23, 351 CD28 T cells, 412 CD4, 134 CD45RA, 59 CD45RO, 59 CD8, 134 cDNA, 387 cell adhesion molecules, 107 cell walls, 261 cerebrospinal fluid, 426 cervical lymphatics, 127 CGRP, 397 chemokine, 143 children, 426 chronic hepatitis C, 59 chronic relapsing autoimmune uveitis, 370 chronic sinusitis, 468 coeliac disease, 464 competitive RT-PCR, 526 complement, 217, 510, 518

complement C6 deficiency, 387
continuous ambulatory peritoneal dialysis, 356
continuous elution SDS-PAGE, 446
costimulation, 406
CR1, 217
crescentic glomerulonephritis, 143
Crohn's disease, 175
Cryptococcus neoformans, 242
cytokine, 233, 255, 351, 555, 562, 569
cytokine mRNA, 342
cytokine secretion, 501
cytokines, 98, 362, 468
cytometric analysis, 279
cytotoxic T lymphocytes, 501
cytotoxicity, 451

dendritic cell, 397 desensitization therapy, 332 DNA vaccination, 226

ELISA, 304 endothelium, 211 eosinophils, 377 epitope mapping, 439, 538 epitopes, 480 erythrocyte, 217 experimental allergic encephalomyelitis, 127

Fabs, 166 fertilization, 547 free fatty acids, 248 free radical release, 204

γδ T cells, 121
gene rearrangement, 194
glomerulonephritis, 134, 387
gp120, 41
gp160, 406
granulocyte colony-stimulating factor, 73
granulocytopenic mice, 73
Graves' disease, 107
grommets (ear tubes), 67
Guillain–Barré syndrome, 121

H2O2-mediated halogenation system, 248 Haemophilus influenzae, 233 haemorrhagic fever with renal syndrome, 351 hantavirus, 351 heat shock proteins, 157 hepatitis C virus, 451 HIV gp120 IIIB, 226 HIV infection, 54 HIV children, 412 HIV-1, 41, 47, 406 HLA, 98, 175 homing receptors, 356 hsp60, 439 human, 166 human alveolar echinococcosis, 90 human antigen-specific T cell clone, 185 human cytomegalovirus, 518 human herpesvirus-6, 421 human IgG, 272 human T cell proliferation, 446

## hypergammaglobulinaemia, 261

IFN- $\alpha/\beta$ , 185 IFN-γ, 332 IgA, 47 IgE, 351, 533 IgG, 47, 211 IgG fragments, 211 IgG subclasses, 226 IL-1, 54 IL-1 receptor antagonist, 54 IL-10, 242, 421, 458 IL-12, 332, 421 IL-13, 526 IL-15, 458 IL-2, 451 IL-4, 84, 332, 431 IL-5, 90 IL-8, 426 immunodeficiency, 468 immunofluorescence, 286 immunoglobulin regulation, 310 immunoglobulin subclasses, 416 immunoglobulin variable region genetics, 194 immunohistochemistry, 317, 526 immunology, 107 immunosuppression, 149 in situ hybridization, 317, 569 inducible nitric oxide synthase, 431 infection, 451 infiltrating lymphocyte, 59 inflammation, 261 inflammatory bowel disease, 175 inflammatory mediators, 468 integral membrane proteins, 446 integrins, 107 interferon, 59 interferon-gamma, 84, 149, 296, 421, 431 interferons, 518 intestine, 377 intracerebral stimulation, 127 isotype switching, 569

Jo-1, 32 juvenile arthritis, 4

kidney, 518

lacrimal gland, 555 lactoferrin, 279 lupus, 473 lymphocyte subsets, 501 lymphocytes, 377 lymphokine-activated killer cells, 451

macrophage, 73, 134, 248 macrophage subpopulations, 261 macrophages, 80, 377, 431 MCA, 323 measles, 416 meningitis, 233, 426 mercuric chloride, 149 mesangial cells, 518 MHC class 1, 323 mice, 562 monoclonal, 310 monoclonal and polyclonal antilactoferrin antibodies, 279 monoclonal antibody, 547 monocytes, 242 MRI scan, 468 mRNA, 296, 323, 362 mucosal immunity, 47 mucosal immunology, 356 mutation, 194

myasthenia gravis, 538 mycobacteria, 157 Mycobacterium, 446 Mycobacterium avium complex, 248 Mycobacterium fortuitum, 446 Mycobacterium tuberculosis, 80 myeloma, 310 myositis, 32

NADPH-oxidase, 204 natural killer cells, 451 neutrophil, 217 neutrophils, 204, 426 NO, 431 NOD mice, 116, 555 nude mice, 323

oral tolerance, 370 otitis media, 67

Paracoccidioides brasiliensis, 261 parotid saliva, 47 peptides, 480 peritoneal lymphocytes, 356 phage display, 166 pneumonia, 233, 255 polyclonal, 310 polysaccharide antibodies, 67 pregnancy, 562 proliferation, 406 protein adsorption, 204 proteinase 3, 286 Pseudomonas aeruginosa, 73 psoriasis, 533 psychoneuroimmunology, 397 Puumala virus, 351

rat, 387 rat CD1, 317 rat glomerular mesangial cells, 510 reactive arthritis, 439 reactive oxygen intermediates, 248 renal cell carcinoma, 501 ribosomal proteins, 12 Ro ribonucleoprotein complex, 32 Ro (SS-A), 32 RT-PCR, 342

seborrhoeic dermatitis, 533 secondary immune response, 416 serum level, 458 sex, 562 sex steroid, 555 signal transduction, 20 Sjögren's syndrome, 555 skin, 397, 526 soluble CD30, 533 soluble IL-1 receptors, 54 sperm immobilization, 547 STAT, 185 Streptococcus, 233 streptococcus protein G, 272 streptozotocin, 116 stress, 397 suppression, 296 surface interaction, 204 syngeneic anti-T cell MoAb, 180 systemic lupus erythematosus, 12, 27, 296, 480

T cell, 134 T cell anergy, 41 T cell clone, 439 T cell clones, 4

## Subject Index

T cell help, 473
T cell proliferation, 121
T cell receptor  $\alpha/\beta$ , 464
T cell receptor  $\alpha/\beta$ , 464
T cell receptor, 20
T cell receptor, 20
T cells, 116, 310, 526
T lymphocyte, 406
T lymphocyte, 406
T lymphocytes, 362, 370
test immunization, 67
Th1, 4, 332
Th1 and Th2 balance, 84
Th1 cells, 149
Th2, 332
Th2 cells, 149
Th2 cytokines, 90
thrombosis, 304
Thy-1, 510
thyroid autoimmunity, 98
thyroid-associated ophthalmopathy, 362
TNF- $\alpha$ , 41
TNF- $\alpha$  receptor, 458

tolerance, 473
transcription factor TFIIF, 488
transplantation, 180
transporter associated with antigen processing-1, 98
tumour necrosis factor-alpha, 73
tumour-infiltrating lymphocytes, 501
tumours, 323
type C liver disease, 458
tyrosinase, 495
tyrosinase-related protein-2, 495
tyrosine kinase, 20
tyrosine phophorylation, 20

ulcerative colitis, 175

vaccine, 226, 569 vasculitis, 211 virulence, 80 vitiligo, 495

wasp venom, 342 Wegener's granulomatosis, 286

